

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: STEVE KABAKOFF Examiner #: 76888 Date: 2/7/01
 Art Unit: 2132 Phone Number 306 4153 Serial Number: 08/560015 and 09/588364
 Mail Box and Bldg/Room Location: 5U01, PK2 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Mark forming apparatus, method of forming laser mark on optical disk,
 Title of Invention: reproducing apparatus optical disk and method of producing optical disk
 Inventors (please provide full names): MITSUAKI OSHIMA, YOSHIHO GOTOH

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

I'm requesting a LITIGATION SEARCH for this
 application which is also U.S. Patent 5,761,301

Thanks!

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- Steve

02-08-01A08:06 RCVD

N.B. This was originally filed as 08/560015 and the
 reissue application number is 09/588364

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: <u>Steve Heising</u>	NA Sequence (#) _____	STN _____
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Date Completed: <u>2/7/01</u>	Litigation <u>X</u> _____	Lexis/Nexis <u>04 min</u>
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5,761,301

<=2> GET 1st DRAWING SHEET OF 43

Jun. 2, 1998

Mark forming apparatus, method of forming laser mark on
optical disk, reproducing apparatus, optical disk and method
of producing optical disk

REISSUE: Reissue Application filed Jun. 2, 2000 (O.G. Aug. 1, 2000) Ex. Gp.:
3642; Re. S.N. 09/588,364

CORE TERMS: software, optical, marking, secret, disk, reproduction, encryption,
master, sub, layer...

LEXIS-NEXIS
Library: PATENT
File: ALL

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LEXIS-NEXIS
Library: PATENT
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5,761,301 OR 5761301

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LEXIS-NEXIS
Library: PATENT
File: JNLS

?us5761301/pn

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CRXX	1
LITA	0
PAST	1
** SS 1 : Results	3
Search statement	2

?prt ss1 max 1-3

1/3 LGST (1/1) - (C) LEGSTAT
PN - US 5761301 [US5761301]
AP - US 560015/95 19951117 [1995US-0560015]
DT - US-P
ACT - 19951117 US/AE-A
APPLICATION DATA (PATENT)
{US 560015/95 19951117 [1995US-0560015]}
- 19960410 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006, OAZA KADOMA, KADOMA-SHI
OSAKA, JAP * OSHIMA, MITSUAKI : 19960220; GOTOH, YOSHIHO : 19960220
- 19980602 US/A
PATENT
- 20000801 US/RF
REISSUE APPLICATION FILED
20000602
UP - 2000-31

2/3 CRXX (1/1) - (C) CLAIMS/RRX
AN - 2989517
PN - 5,761,301 A 19980602 [US5761301]
PA - Matsushita Electric Industrial Co Ltd JP
PT - E (Electrical)
ACT - 20000602 REISSUE REQUESTED
Issue Date of O.G.: 20000801
Reissue Request Number: 09/588364
Examination Group responsible for Reissue process: 3642
UP - 2000-31
UACT- 2000-08-01

3/3 PAST (1/1) - (C) PAST
AN - 200031-001336
PN - 5761301 A [US5761301]
DT - A (UTILITY)
OG - 2000-08-01
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

5,761,301 OR 5761301

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S1 1 PN="US 5761301"
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DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 250>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
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Priority Data (No,Kind,Date) :

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JP 9516153 A 19950202
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JP 9363428 A 19930226
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JP 93333874 A 19931227
JP 93333392 A 19931227
JP 93333403 A 19931227
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JP 93333855 A 19931227
JP 9422135 A 19940121
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JP 9422158 A 19940121
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JP 94327805 A 19941228
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JP 968110 A 19960122
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JP 99257252 A 19990910
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JP 99257247 A 19990910
JP 99200091 A 19990714
JP 99289582 A 19991012
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JP 99289585 A 19991012
JP 99289586 A 19991012
JP 9268935 A 19920327
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US 417269 A 19950405
US 857627 B1 19920325
US 240521 A 19940510
US 857627 A2 19920325
US 534771 A 19950927
US 281337 A3 19940727
US 706376 A 19960830
US 217895 B1 19940325
US 126589 A2 19930927
US 37108 A2 19930325
US 845794 A 19970425
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US 281337 A2 19940727
US 423668 A 19950418
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US 970162 A 19971113
US 534771 A1 19950927
US 61979 A 19980417
US 37108 A3 19930325
US 64147 A 19980422
US 126589 A3 19930927
US 37108 A1 19930325
US 404506 A 19990923
US 649411 A3 19960516
US 404639 A 19990923
US 401114 A 19990922
US 441338 A 19991116
US 649411 A1 19960516
US 401669 A 19990922
US 441337 A 19991116

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): AU 9335520 A 19930326
IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40; H04N-005/455; H04L-027/34; G11B-020/12
Language of Document: English
Patent (No,Kind,Date): AU 9459052 A1 19941020
COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applie (No,Kind,Date): AU 9459052 A 19940325
IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455; H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00
Derwent WPI Acc No: ; G 94-342258
Language of Document: English
Patent (No,Kind,Date): AU 655539 B2 19941222
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): AU 9335520 A 19930326
IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40; H04N-005/455; H04L-027/34; G11B-020/12
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): AU 660123 B2 19950608
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applie (No,Kind,Date): AU 9459052 A 19940325
IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455; H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927
COMMUNICATION SYSTEM (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): CA 2092495 A 19930325
IPC: * H04B-007/24; H04N-005/76; H04N-009/80
Language of Document: English
Patent (No,Kind,Date): CA 2106919 AA 19940326
COMMUNICATION SYSTEM (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): CA 2106919 A 19930924
IPC: * H04J-004/00
Derwent WPI Acc No: * G 93-305235

Language of Document: English
Patent (No,Kind,Date): CA 2113842 AA 19940722
RECORDING AND REPRODUCING APPARATUS (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): CA 2113842 A 19940119
IPC: * G11B-007/24; G11B-007/125; G11B-005/10
Derwent WPI Acc No: * G 93-313529
Language of Document: English
Patent (No,Kind,Date): CA 2113877 AA 19940722
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): CA 2113877 A 19940120
IPC: * G11B-007/24; G11B-007/26
Derwent WPI Acc No: * G 93-313529
Language of Document: English
Patent (No,Kind,Date): CA 2119983 AA 19940926
COMMUNICATION SYSTEM (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applc (No,Kind,Date): CA 2119983 A 19940325
IPC: * H04N-007/12
Derwent WPI Acc No: * G 94-103292
Language of Document: English
Patent (No,Kind,Date): CA 2226398 AA 19940722
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): CA 2226398 A 19940120
IPC: * G11B-007/00; G11B-007/28
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209
DIGITAL COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723
Applc (No,Kind,Date): CN 92102955 A 19920327
IPC: * H04B-001/00; H04N-007/13
Derwent WPI Acc No: * G 92-325674
Language of Document: Chinese
Patent (No,Kind,Date): CN 1075024 A 19930804
RECORDING/REPRODUCING EQUIPMENT (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A 19920925
Applc (No,Kind,Date): CN 93100918 A 19930128
IPC: * G11B-011/00
Derwent WPI Acc No: * G 93-251292; G 93-313529
Language of Document: Chinese
Patent (No,Kind,Date): CN 1076816 A 19930929
SYSTEM OF COMMUNICATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): TAISHIMA MITSUTERU (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A 19920925
Applc (No,Kind,Date): CN 93102721 A 19930325
IPC: * H04B-007/00; H04N-007/12; H04N-011/00
Derwent WPI Acc No: * G 93-305235
Language of Document: Chinese
Patent (No,Kind,Date): CN 1085680 A 19940420
RECORD REPLAYING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
Applc (No,Kind,Date): CN 93105219 A 19930326
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451
JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070
Language of Document: Chinese
Patent (No,Kind,Date): CN 1096389 A 19941214
RECORDING AND REPRODUCING APPTS. (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
Applc (No,Kind,Date): CN 94101055 A 19940121
IPC: * G11B-011/12
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560
Language of Document: Chinese
Patent (No,Kind,Date): CN 1098810 A 19950215
APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND MANUFACTURE OF SAME (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
Applc (No,Kind,Date): CN 94101336 A 19940121
IPC: * G11B-007/24; G11B-011/12
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722
Language of Document: Chinese
Patent (No,Kind,Date): CN 1099544 A 19950301
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A 19930924
Applc (No,Kind,Date): CN 94103352 A 19940325
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258

Language of Document: Chinese
Patent (No,Kind,Date): CN 1119895 A 19960403
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A
19941202
Applic (No,Kind,Date): CN 94191566 A 19941228
Derwent WPI Acc No: * G 95-246541
Language of Document: Chinese
Patent (No,Kind,Date): CN 1127049 A 19960717
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A
19941117
Applic (No,Kind,Date): CN 95190313 A 19950418
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785
Language of Document: Chinese
Patent (No,Kind,Date): CN 1138915 A 19961225
MARKING GENERATING APPPTS., METHOD OF FORMING LASER MARKING ON OPTICAL
DISK, REPRODUCING APPPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING
METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
19950202
Applic (No,Kind,Date): CN 95191218 A 19951116
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785
Language of Document: Chinese
Patent (No,Kind,Date): CN 1166223 A 19971126
OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI
TANAKA (JP)
Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): CN 96191182 A 19961008
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Chinese
Patent (No,Kind,Date): CN 1173942 A 19980218
OPTICAL DISK, OPTICAL REOCORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHOO GOTOH (JP);
SHINICHI TANAKA (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applic (No,Kind,Date): CN 96191826 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Chinese
Patent (No,Kind,Date): CN 1250278 A 20000412
TELECOMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUTERU DAIJIMA (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applc (No,Kind,Date): CN 99108470 A 19990616
IPC: * H04J-001/00; H04L-027/00; H04N-011/24
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Chinese
Patent (No,Kind,Date): CN 1032099 B 19960619
SYSTEM OF COMMUNICATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): TAISHIMA MITSUTERU (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): CN 93102721 A 19930325
IPC: * H04B-007/00; H04N-007/12; H04N-011/00
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: Chinese
Patent (No,Kind,Date): CN 1036952 B 19980107
RECORD REPLAYING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP); MICHIRO TANAKA (JP); RYOSUKE SHIMIZU (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
Applc (No,Kind,Date): CN 93105219 A 19930326
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451
JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070
Language of Document: Chinese
Patent (No,Kind,Date): CN 1045036 B 19990908
TRANSMISSION APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723; JP 91155650 A 19910529; JP 9195813 A 19910425
Applc (No,Kind,Date): CN 92102955 A 19920327
IPC: * H04B-001/00; H04N-007/13
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: Chinese

GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 C0 19980129
SIGNAUEBERTRAGUNGSSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): DE 69223541 A 19920326
IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: German
Patent (No,Kind,Date): DE 69610859 C0 20001207
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): DE 69610859 A 19960515

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69610860 CO 20001207

OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKKODES TRAEGT
(German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): DE 69610860 A 19960515

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69610861 CO 20001207

OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): DE 69610861 A 19960515

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69223541 T2 19980409

SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): DE 69223541 A 19920326

IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34

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Language of Document: German

GERMANY (DE)

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DE 69610859 P 20001207 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69610860 P 20001207 DE REF EP 1003162 P 20001207 CORRESPONDS TO (ENTSPRICHT)

DE 69610861 P 20001207 DE REF EP 1005034 P 20001207 CORRESPONDS TO (ENTSPRICHT)
EP 1005035 P 20001207

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929

MULTIRESOLUTION QAM SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 93302369 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/34; H04N-007/13
Derwent WPI Acc No: ; G 93-305235
Language of Document: English

Patent (No,Kind,Date): EP 617531 A1 19940928
MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applie (No,Kind,Date): EP 94302149 A 19940324
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 94-311606
Language of Document: English

Patent (No,Kind,Date): EP 689200 A1 19951227
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
Applie (No,Kind,Date): EP 95904033 A 19941228
Designated States: (National) DE; FR; GB; IT
IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
Language of Document: English

Patent (No,Kind,Date): EP 706174 A1 19960410
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203
Applie (No,Kind,Date): EP 95915345 A 19950418
Designated States: (National) DE; FR; GB; NL
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785
Language of Document: English

Patent (No,Kind,Date): EP 741382 A1 19961106
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applie (No,Kind,Date): EP 95938017 A 19951116
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G

97-236119

Language of Document: English
Patent (No,Kind,Date): EP 802527 A1 19971022
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 96932845 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 807929 A1 19971119
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK
REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR
OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French;
German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 96915172 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 971345 A1 20000112
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR
RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK
RECORDING DEVICE (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA
SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH
YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
MURAKAMI MOTOYOSHI (JP)
Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A
19961219; JP 979318 A 19970122; JP 97259110 A 19970924
Applic (No,Kind,Date): EP 97949124 A 19971217
Designated States: (National) DE; FR; GB; IT; NL
IPC: * G11B-011/10; G11B-007/00; G06F-012/14
Derwent WPI Acc No: * G 98-363034
Language of Document: English
Patent (No,Kind,Date): EP 973335 A1 20000119
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723
Applic (No,Kind,Date): EP 99119278 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-108239
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975168 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applc (No,Kind,Date): EP 99119266 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184726
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975169 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applc (No,Kind,Date): EP 99121006 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184727
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975170 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applc (No,Kind,Date): EP 99121007 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-184728
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975171 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applc (No,Kind,Date): EP 99121008 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731; G 2000-118426
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975172 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3

19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121024 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184729

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975173 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121025 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184730

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975174 A1 20000126

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121026 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1003162 A1 20000524

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005023 A1 20000531

OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102965 A 19961008

Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005024 A1 20000531
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): EP 2000102966 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005025 A1 20000531
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): EP 2000102967 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005026 A1 20000531
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): EP 2000102968 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005027 A1 20000531
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): EP 2000102969 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): EP 1005028 A1 20000531
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION

SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): EP 2000102971 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005033 A1 20000531
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000101774 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005034 A1 20000531
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000101775 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005035 A1 20000531
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000104818 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006516 A1 20000607
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000105014 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006517 A1 20000607
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000106447 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1024478 A1 20000802
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): EP 2000102970 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1028422 A1 20000816
AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000109898 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1028423 A1 20000816
AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): EP 2000109899 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1030297 A1 20000823
AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000110461 A 19960515
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1031974 A1 20000830
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000112310 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1049334 A1 20001102
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applie (No,Kind,Date): EP 2000114691 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04L-027/34; H04N-007/04
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 506400 A2 19920930
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applie (No,Kind,Date): EP 92302627 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/13; H04N-007/04
Derwent WPI Acc No: ; G 92-325674
Language of Document: English
Patent (No,Kind,Date): EP 555031 A2 19930811
RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925
Applie (No,Kind,Date): EP 93300695 A 19930129
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/00; G11B-011/10; G11B-013/04
Derwent WPI Acc No: ; G 93-251292
Language of Document: English
Patent (No,Kind,Date): EP 564187 A2 19931006

RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A 19930121
Applie (No,Kind,Date): EP 93302365 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
Derwent WPI Acc No: ; G 93-313529
Language of Document: English
Patent (No,Kind,Date): EP 589709 A2 19940330
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 93307575 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
Derwent WPI Acc No: * G 93-305235
Language of Document: English
Patent (No,Kind,Date): EP 608126 A2 19940727
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): EP 94300403 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-023/44
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; C 94-236841
Language of Document: English
Patent (No,Kind,Date): EP 609013 A2 19940803
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): EP 94300402 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 94-242360
Language of Document: English
Patent (No,Kind,Date): EP 609617 A2 19940810
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201
Applie (No,Kind,Date): EP 93309619 A 19931201

Designated States: (National) BE; DE; FR; GB; NL
IPC: * G06F-001/18
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: English
Patent (No,Kind,Date): EP 637016 A2 19950201
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): EP 94305557 A 19940727
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 95-116722
Language of Document: English
Patent (No,Kind,Date): EP 766478 A2 19970402
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): EP 96119060 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 833319 A2 19980401
DISC-SHAPED RECORDING MEDIUM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): EP 97118775 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 98-181451
Language of Document: English
Patent (No,Kind,Date): EP 844611 A2 19980527
OPTICAL DISK (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): EP 98100524 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: English
Patent (No,Kind,Date): EP 844612 A2 19980527

APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)

Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applc (No,Kind,Date): EP 98100525 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 1035693 A2 20000913

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114572 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24

Derwent WPI Acc No: ; G 2000-595507

Language of Document: English

Patent (No,Kind,Date): EP 1035694 A2 20000913

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114573 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035695 A2 20000913

MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035696 A2 20000913

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114577 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;

IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035697 A2 20000913

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114578 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035698 A2 20000913

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039672 A2 20000927

MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114576 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: ; G 2000-589072

Language of Document: English

Patent (No,Kind,Date): EP 1039673 A2 20000927

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114689 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;

IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: ; G 2000-589073

Language of Document: English

Patent (No,Kind,Date): EP 1039674 A2 20000927
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114690 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507; G 2000-580974

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039675 A2 20000927
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114692 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507; G 2000-580975

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039676 A2 20000927
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114694 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507; G 2000-580976

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039677 A2 20000927
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
MULTICARRIER MODULATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114696 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507; G 2000-589077
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039678 A2 20000927
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114697 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507; G 2000-580985
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039679 A2 20000927
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114698 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507; G 2000-589078
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039680 A2 20000927
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER MODULATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114699 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507; G 2000-580986
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039681 A2 20000927
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114701 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/34
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507; G 2000-580987
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039682 A2 20000927
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114702 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507; G 2000-580988
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1045541 A2 20001018
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114700 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049282 A2 20001102
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): EP 2000114574 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049283 A2 20001102

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114693 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049284 A2 20001102

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114695 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1050879 A2 20001108

RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): EP 2000115017 A 19940727

Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL

IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02 ; G11B-023/28

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 506400 A3 19930526

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 92302627 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/13; H04N-007/04

Derwent WPI Acc No: * G 92-325674

Language of Document: English

Patent (No,Kind,Date): EP 555031 A3 19951115

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A

19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925

Applie (No,Kind,Date): EP 93300695 A 19930129

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/00; G11B-011/10; G11B-013/04

Derwent WPI Acc No: * G 93-251292; G 93-313529

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): EP 564187 A3 19951206

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211

Applie (No,Kind,Date): EP 93302365 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): EP 589709 A3 19940928

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 93307575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 608126 A3 19951129

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Applie (No,Kind,Date): EP 94300403 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/04; G11B-023/44

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 609013 A3 19951129

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A

19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119

Appli (No,Kind,Date): EP 94300402 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 609617 A3 19961211

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201

Appli (No,Kind,Date): EP 93309619 A 19931201

Designated States: (National) BE; DE; FR; GB; NL

IPC: * G06F-001/18

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 637016 A3 19950830

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119

Appli (No,Kind,Date): EP 94305557 A 19940727

Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL

IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): EP 766478 A3 20000119

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Appli (No,Kind,Date): EP 96119060 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1035693 A3 20001206

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Appli (No,Kind,Date): EP 2000114572 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035694 A3 20001206

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114573 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035695 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114575 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035696 A3 20001206
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114577 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035697 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114578 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English

Patent (No,Kind,Date): EP 1035698 A3 20001206
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): EP 2000114579 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039672 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): EP 2000114576 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G
2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039673 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114689 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039674 A3 20001206
MULTIRESOLITION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114690 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G

2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039675 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114692 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039676 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114694 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039677 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
MULTICARRIER MODULATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114696 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G
2000-580973; G 2000-580974; G 2000-580975; G 2000-580976; G
2000-580977; G 2000-580978; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039678 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114697 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039679 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114698 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039680 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER MODULATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114699 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039681 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114701 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039682 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114702 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1045541 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114700 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049282 A3 20001206
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): EP 2000114574 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049283 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114693 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049284 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French

; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applc (No,Kind,Date): EP 2000114695 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 689200 A4 19960529

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applc (No,Kind,Date): EP 95904033 A 19941228

Designated States: (National) DE; FR; GB; IT

IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939

Language of Document: English

Patent (No,Kind,Date): EP 706174 A4 19970702

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203

Applc (No,Kind,Date): EP 95915345 A 19950418

Designated States: (National) DE; FR; GB; NL

IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06 ; G11B-007/09

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: English

Patent (No,Kind,Date): EP 741382 A4 19970702

MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applc (No,Kind,Date): EP 95938017 A 19951116

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 802527 A4 19971210

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Aplic (No,Kind,Date): EP 96932845 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 807929 A4 19971210

Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Aplic (No,Kind,Date): EP 96915172 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English; French; German

Patent (No,Kind,Date): EP 506400 B1 19971217

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Aplic (No,Kind,Date): EP 92302627 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1003162 B1 20001102

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Aplic (No,Kind,Date): EP 2000103257 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005034 B1 20001102

AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Aplic (No,Kind,Date): EP 2000101775 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005035 B1 20001102

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Aplic (No,Kind,Date): EP 2000104818 A 19960515

Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

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Legal Status (No,Type,Date,Code,Text):

EP 506400 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19920326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 92302627 A 19920326

EP 506400 P 19920930 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
DE FR GB NL

EP 506400 P 19920930 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 506400 P 19930526 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

EP 506400 P 19930526 EP A3 DE FR GB NL
SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 506400 P 19940112 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
931117

EP 506400 P 19960110 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
951127

EP 506400 P 19970402 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 766478 P

EP 506400 P 19971217 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)
DE FR GB NL

EP 506400 P 19971217 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 506400 P 19971217 EP DX MISCELLANEOUS: (DELETED)
(DIVERSES: (GELOESCHT))

EP 506400 P 19980129 EP REF CORRESPONDS TO:

(ENTSPRICHT)

DE 69223541 P 19980129

EP 506400 P 19980320 EP ET FR: TRANSLATION FILED (FR:
TRADUCTION A ETE REMISE)

EP 506400 P 19981209 EP 26N NO OPPOSITION FILED (KEIN
EINSPRUCH EINGELEGT)

EP 506400 P 20000119 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975169 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P

EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P

EP 506400 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049334 P

EP 555031 P 19920129 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9213809 A 19920129

EP 555031 P 19920228 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9242558 A 19920228

EP 555031 P 19920309 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9250328 A 19920309

EP 555031 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9268031 A 19920326

EP 555031 P 19920430 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92111176 A 19920430

EP 555031 P 19920722 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92194450 A 19920722

EP 555031 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92280874 A 19920925

EP 555031 P 19930129 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 93300695 A 19930129

EP 555031 P 19930811 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 555031 P 19930811 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 555031 P 19930811 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
930206

EP 555031 P 19951115 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 555031 P 19951115 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 555031 P 19970402 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
970214

EP 555031 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS
ZURUECKGENOMMEN GELTEN)
980626

EP 562875 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 562875 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 92256070 A 19920925

EP 562875 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 93302369 A 19930326

EP 562875 P 19930929 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 562875 P 19930929 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 562875 P 19930929 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
930403

EP 562875 P 19960417 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
960306

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114689 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114690 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114692 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114693 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART

76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114694 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114695 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114696 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114697 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114698 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114699 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114700 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114701 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114702 A 20000708
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039673 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039674 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039675 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039676 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039677 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039678 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039679 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039680 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039681 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039682 P
EP 562875 P 20001018 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 562875 P EP 1045541 P DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1049283 P
 EP 562875 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1049284 P
 EP 564187 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9268031 A 19920326
 EP 564187 P 19920430 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92111176 A 19920430
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 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
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 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92331300 A 19921211
 EP 564187 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 938596 A 19930121
 EP 564187 P 19930326 EP AE EP-APPLICATION
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 EP 93302365 A 19930326
 EP 564187 P 19931006 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 564187 P 19931006 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 564187 P 19931006 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 930403
 EP 564187 P 19951206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 564187 P 19951206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 564187 P 19970402 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 970214
 EP 564187 P 19980225 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 970826

EP 589709 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 589709 P 19940330 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 589709 P 19940330 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 589709 P 19940330 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
931002

EP 589709 P 19940928 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 589709 P 19940928 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 589709 P 19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
961115

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114572 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114573 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114574 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114575 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114576 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114577 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART.

76) IN: (KORR.))
 EP 2000114578 A 20000707
 EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114579 A 20000707
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035693 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035694 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035695 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035696 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035697 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1035698 P
 EP 589709 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1039672 P
 EP 589709 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1049282 P
 EP 608126 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 938596 A 19930121
 EP 608126 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9392219 A 19930325
 EP 608126 P 19930409 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93107423 A 19930409
 EP 608126 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93205682 A 19930727
 EP 608126 P 19931102 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93297504 A 19931102
 EP 608126 P 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93314114 A 19931119
 EP 608126 P 19940119 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 94300403 A 19940119
 EP 608126 P 19940727 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 608126 P 19940727 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 608126 P 19940727 EP 17P REQUEST FOR EXAMINATION

FILED (PRUEFUNGSANTRAG GESTELLT)

940127

EP 608126	P	19951129 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 608126	P	19951129 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 608126	P	19970903 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 970722
EP 608126	P	19980527 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 844611 P
EP 608126	P	19980527 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 844612 P
EP 608126	P	19980729 EP 18D	DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 980203
EP 609013	P	19930121 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19930325 EP AA	JP 938596 A 19930121 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19930409 EP AA	JP 9392219 A 19930325 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19930727 EP AA	JP 93107423 A 19930409 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19931102 EP AA	JP 93205682 A 19930727 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19931119 EP AA	JP 93297504 A 19931102 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 609013	P	19940119 EP AE	JP 93314114 A 19931119 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 609013	P	19940803 EP AK	EP 94300402 A 19940119 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 609013	P	19940803 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 609013	P	19940803 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940127
EP 609013	P	19951129 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 609013 P 19951129 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 609013 P 19970903 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
970722

EP 609013 P 19980401 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 833319 P

EP 609013 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS
ZURUECKGENOMMEN GELTEN)
980626

EP 609617 P 19921201 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92321063 A 19921201

EP 609617 P 19930121 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 938596 A 19930121

EP 609617 P 19930727 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727

EP 609617 P 19931201 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)
EP 93309619 A 19931201

EP 609617 P 19940810 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE DE FR GB NL

EP 609617 P 19940810 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 609617 P 19940810 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
931214

EP 609617 P 19961211 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE DE FR GB NL

EP 609617 P 19961211 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 609617 P 19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS
ZURUECKGENOMMEN GELTEN)
970612

EP 617531 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 617531 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 617531 P 19930924 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93261612 A 19930924

EP 617531 P 19940324 EP AE EP-APPLICATION

(EUROPAEISCHE ANMELDUNG)
EP 94302149 A 19940324

EP 617531 P 19940928 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 617531 P 19940928 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 617531 P 19940928 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
940402

EP 617531 P 19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
961115

EP 617531 P 19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN)
970527

EP 637016 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727

EP 637016 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102

EP 637016 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119

EP 637016 P 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418

EP 637016 P 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94156089 A 19940707

EP 637016 P 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 94305557 A 19940727

EP 637016 P 19950201 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL

EP 637016 P 19950201 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 637016 P 19950201 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
940805

EP 637016 P 19950830 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL

EP 637016 P 19950830 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 637016 P 19980408 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
980220

EP 637016 P 20000913 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000115017 A 20000724

EP 637016 P 20001108 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1050879 P

EP 689200 P 19931228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93335165 A 19931228

EP 689200 P 19940120 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9422191 A 19940120

EP 689200 P 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418

EP 689200 P 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94156089 A 19940707

EP 689200 P 19941202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94299508 A 19941202

EP 689200 P 19941228 EP AA PCT-APPLICATION (PCT-ANMELDUNG)

WO 94JP2304 W 19941228

EP 689200 P 19941228 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 689200 P 199504033 A 19941228

EP 689200 P 19951227 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB IT

EP 689200 P 19951227 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 689200 P 19960207 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951213

EP 689200 P 19960529 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB IT

EP 689200 P 19960529 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)

EP 689200 P 19960605 EP K1C1 CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) 951227

EP 689200 P 19960605 EP RAP1 APPLICANT (CORRECTION) (ANMELDER (KORR.)) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

EP 689200 P 19990120 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 981204

EP 706174 P 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418

EP 706174 P 19941117 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94283415 A 19941117
EP 706174 P 19941228 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94327963 A 19941228
EP 706174 P 19950201 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9515318 A 19950201
EP 706174 P 19950203 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9516865 A 19950203
EP 706174 P 19950418 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
WO 95JP760 W 19950418

EP 706174 P 19950418 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 95915345 A 19950418

EP 706174 P 19960410 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

DE FR GB NL
EP 706174 P 19960410 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 706174 P 19960410 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
951114

EP 706174 P 19970702 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

DE FR GB NL
EP 706174 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)

EP 706174 P 19991215 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
19991027

EP 741382 P 19941117 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94283415 A 19941117
EP 741382 P 19950202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9516153 A 19950202
EP 741382 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 741382 P 19951116 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
WO 95JP2339 W 19951116

EP 741382 P 19951116 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 95938017 A 19951116

EP 741382 P 19961106 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

DE FR GB

EP 741382 P 19961106 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 741382 P 19970108 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
961112

EP 741382 P 19970702 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A SUPPLEMENTARY SEARCH
REPORT: (IN EINEM ERGAENZENDEN
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB /
EP 741382 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT
(ERGAENZENDER RECHERCHENBERICHT)

EP 741382 P 19990922 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
19990804

EP 766478 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327
EP 766478 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425
EP 766478 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529
EP 766478 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723
EP 766478 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317
EP 766478 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 92302627 A3 19920326

EP 766478 P 19920326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 96119060 A 19920326

EP 766478 P 19970402 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 506400 P

EP 766478 P 19970402 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL
EP 766478 P 19970402 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99119266 A 19990928

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99119266 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121006 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121007 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121008 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121024 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121025 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 99121026 A 19991021

EP 766478 P 20000119 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 973335 P

EP 766478 P 20000119 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 766478 P 20000119 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975168 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975169 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975170 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975171 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975172 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975173 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 975174 P

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975168
EP 99119266 A 19990928

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART

76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 973335
 EP 99119278 A 19990928
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975169
 EP 99121006 A 19991021
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975170
 EP 99121007 A 19991021
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975171
 EP 99121008 A 19991021
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975172
 EP 99121024 A 19991021
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975173
 EP 99121025 A 19991021
 EP 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 975174
 EP 99121026 A 19991021
 EP 20000913 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000719
 EP 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1049334 P
 EP 802527 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 802527 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 802527 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 802527 P 19961008 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 96JP2924 W 19961008
 EP 802527 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 96932845 A 19961008
 EP 802527 P 19971022 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 802527 P 19971022 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 802527 P 19971022 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
970707

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005023 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005024 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005025 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005026 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005027 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1005028 P

EP 802527 P 20000614 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20000427

EP 802527 P 20000802 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1024478 P

EP 807929 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 95261247 A 19951009

EP 807929 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 968910 A 19960123

EP 807929 P 19960515 EP AA PCT-APPLICATION
(PCT-ANMELDUNG)
WO 96JP1303 W 19960515

EP 807929 P 19960515 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)
EP 96915172 A 19960515

EP 807929 P 19971119 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
DE FR GB

EP 807929 P 19971119 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 807929 P 19971119 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
970918

EP 807929 P 19971210 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A SUPPLEMENTARY SEARCH
REPORT: (IN EINEM ERGAENZENDEN
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
DE FR GB

EP 807929 P 19990922 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
19990804

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101774 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101775 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101774 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101775 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000104818 A 20000306

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101774 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000101775 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000103257 A 20000217

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000104818 A 20000306

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000106447 A 20000324

EP 807929 P 20000524 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1003162 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005033 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005034 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005035 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1006516 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1006517 P

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005033
EP 2000101774 A 20000128

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005034
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EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1003162
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EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
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1005035
EP 2000104818 A 20000306

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1006516
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EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
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1006517
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EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109898 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109899 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000110461 A 20000516

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
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EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
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76) IN: (CORRECTION) (TEILANMELDUNG (ART.
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EP 2000103257 A 20000217

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EP 2000104818 A 20000306

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
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 EP 2000109898 A 20000510
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000109899 A 20000510
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000110461 A 20000516
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000112310 A 20000608
 EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1028422 P
 EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1028423 P
 EP 807929 P 20000823 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1030297 P
 EP 807929 P 20000830 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1031974 P
 EP 807929 P 20000906 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00
 B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F
 1/00 B
 EP 807929 P 20000906 EP RTI1 TITEL (CORRECTION) (TITEL
 (KORR.))
 OPTICAL DISK PROVIDED WITH BAR CODE
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1003162 P
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005034 P
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005035 P
 EP 833319 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 938596 A 19930121
 EP 833319 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9392219 A 19930325
 EP 833319 P 19930409 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93107423 A 19930409
 EP 833319 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19931102 EP AA JP 93205682 A 19930727
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19931119 EP AA JP 93297504 A 19931102
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P 19940119 EP AA JP 93314114 A 19931119
 (AUSSCHEIDUNG AUS)
 EP 94300402 A3 19940119
 (EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)

EP 833319 P 19980401 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 609013 P

EP 833319 P 19980401 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 833319 P 19980401 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 833319 P 19980401 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 971029

EP 833319 P 19980429 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO,
 TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA,
 TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI

EP 844611 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930325 EP AA JP 938596 A 19930121
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930409 EP AA JP 9392219 A 19930325
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19930727 EP AA JP 93107423 A 19930409
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19931102 EP AA JP 93205682 A 19930727
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19931119 EP AA JP 93297504 A 19931102
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844611 P 19940119 EP AA JP 93314114 A 19931119
 (AUSSCHEIDUNG AUS)
 EP 94300403 A3 19940119
 (EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)

EP 844611 P 19980527 EP AC DIVISIONAL APPLICATION (ART.

76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 608126 P

EP 844611 P 19980527 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 844611 P 19980527 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844611 P 19980527 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
980114

EP 844612 P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 938596 A 19930121

EP 844612 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9392219 A 19930325

EP 844612 P 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93107423 A 19930409

EP 844612 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727

EP 844612 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102

EP 844612 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119

EP 844612 P 19940119 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 94300403 A3 19940119

EP 844612 P 19940119 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 98100525 A 19940119

EP 844612 P 19980527 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 608126 P

EP 844612 P 19980527 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 844612 P 19980527 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844612 P 19980527 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
980114

EP 971345 P 19961219 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96339304 A 19961219

EP 971345 P 19970122 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 971345 P 19970924 JP 979318 A 19970122
 PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 97259110 A 19970924
 EP 971345 P 19971217 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 97JP4664 W 19971217
 EP 971345 P 19971217 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 97949124 A 19971217
 EP 971345 P 20000112 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB IT NL
 EP 971345 P 20000112 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 971345 P 20000112 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19990719
 EP 973335 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 973335 P 19910425 EP AA PRIORITY (PATENT
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 JP 9195813 A 19910425
 EP 973335 P 19910529 EP AA PRIORITY (PATENT
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 JP 91155650 A 19910529
 EP 973335 P 19910723 EP AA PRIORITY (PATENT
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 JP 91182236 A 19910723
 EP 973335 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 973335 P 19920326 EP AA DIVIDED OUT OF (/
 AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 973335 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99119278 A 19920326
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 973335 P 20000119 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB NL
 EP 973335 P 20000119 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 973335 P 20000119 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991015
 EP 973335 P 20001004 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 973335 P 20001115 EP K1C3 CORRECTION OF PATENT

APPLICATION (COMPLETE REPRINT) PUBLISHED
(BERICHTIGUNG DER PATENTANMELDUNG
(KOMPLETTNEUDRUCK) ERSCHIENEN)

200000119

EP 973335 P 200001206 EP RPR1 PRIORITY (CORRECTION)
(PRIORITAET (KORR.))
JP 19910327 6279891 ; JP 19910425 9581391 ;
JP 19910529 15565091 ; JP 19910723 18223691 ;
JP 19920317 6073992

EP 975168 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975168 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975168 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975168 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975168 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975168 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 92302627 A3 19920326

EP 975168 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96119060 A3 19920326

EP 975168 P 19920326 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)
EP 99119266 A 19920326

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 506400 P

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 766478 P

EP 975168 P 20000126 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 975168 P 20000126 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 975168 P 20000126 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
19991022

EP 975168 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
(NL: KORREKTUREN (TEIL 1 RUBRIK G))
DE FR GB NL

EP 975168 P 20001115 EP K1C3 CORRECTION OF PATENT
APPLICATION (COMPLETE REPRINT) PUBLISHED
(BERICHTIGUNG DER PATENTANMELDUNG
(KOMPLETTNEUDRUCK) ERSCHIENEN)

20000126

EP 975169 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975169 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975169 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 975169 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 975169 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 975169 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 975169 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 975169 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021

EP 975169 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))

DE FR GB NL

EP 975170 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975170 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975170 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975170 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975170 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975170 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 92302627 A3 19920326

EP 975170 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121007 A 19920326
 DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975170 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975170 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL
 EP 975170 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 975170 P 20000126 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021
 EP 975170 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 975171 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327
 EP 975171 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425
 EP 975171 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529
 EP 975171 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723
 EP 975171 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317
 EP 975171 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 975171 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121008 A 19920326
 DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975171 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL
 EP 975171 P 20000126 EP A1 PUBLICATION OF APPLICATION

WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 975171 P 20000126 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
19991021

EP 975171 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
(NL: KORREKTUREN (TEIL 1 RUBRIK G))
DE FR GB NL

EP 975172 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975172 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975172 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975172 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975172 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975172 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 92302627 A3 19920326

EP 975172 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96119060 A3 19920326

EP 975172 P 19920326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 99121024 A 19920326

EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 506400 P

EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 766478 P

EP 975172 P 20000126 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 975172 P 20000126 EP A1 PUBLICATION OF APPLICATION
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ANMELDUNG MIT RECHERCHENBERICHT)

EP 975172 P 20000301 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
19991021

EP 975172 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
(NL: KORREKTUREN (TEIL 1 RUBRIK G))
DE FR GB NL

EP 975173 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975173 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975173 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975173 P 19910723 EP AA JP 91155650 A 19910529
 PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 975173 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 975173 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 975173 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 975173 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121025 A 19920326
 EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 975173 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB NL
 EP 975173 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 975173 P 20000126 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021
 EP 975173 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 975174 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 975174 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 975174 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 975174 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 975174 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 975174 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 975174 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 975174 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121026 A 19920326

EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P

EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P

EP 975174 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 975174 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 975174 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021

EP 975174 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL

EP 1003162 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1003162 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1003162 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)

EP 96915172 A3 19960515

EP 1003162 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 2000103257 A 19960515

EP 1003162 P 20000524 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P

EP 1003162 P 20000524 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 1003162 P 20000524 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1003162 P 20000524 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000217

EP 1003162 P 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000725

EP 1003162 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P

EP 1003162 P 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 1003162 P 20001102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 1003162 P 20001207 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69610859 P 20001207

EP 1005023 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005023 P JP 95261247 A 19951009
 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1005023 P JP 968910 A 19960123
 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1005023 P JP 96211304 A 19960809
 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005023 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102965 A 19961008
 EP 1005023 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005023 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 1005023 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005023 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1005023 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI
 EP 1005023 P 20010110 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20001130
 EP 1005024 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1005024 P JP 95261247 A 19951009
 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1005024 P JP 968910 A 19960123
 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1005024 P JP 96211304 A 19960809
 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005024 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102966 A 19961008
 EP 1005024 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005024 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 1005024 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005024 P 20000531 EP 17P REQUEST FOR EXAMINATION

FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1005024 P 20000927 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI
 EP 1005024 P 20010110 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20001130
 EP 1005025 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1005025 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005025 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 1005025 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005025 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102967 A 19961008
 EP 1005025 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005025 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 1005025 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005025 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1005025 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI
 EP 1005026 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1005026 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005026 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 1005026 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005026 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102968 A 19961008
 EP 1005026 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 1005026 P 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB
EP 1005026 P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005026 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000301

EP 1005026 P 20001115 EP RIN1 INVENTOR (CORRECTION)
(ERFINDER (KORR.))
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI

EP 1005026 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.))
OPTICAL RECORDER

EP 1005026 P 20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
20001130

EP 1005027 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1005027 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1005027 P 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809
EP 1005027 P 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 96932845 A3 19961008

EP 1005027 P 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000102969 A 19961008

EP 1005027 P 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 802527 P

EP 1005027 P 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB
EP 1005027 P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005027 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000301

EP 1005027 P 20001115 EP RIN1 INVENTOR (CORRECTION)
(ERFINDER (KORR.))
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI

EP 1005027 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.))
OPTICAL RECORDER

EP 1005027 P 20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
20001130

EP 1005028 P 19951009 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005028 P JP 95261247 A 19951009
19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005028 P JP 968910 A 19960123
19960809 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005028 P JP 96211304 A 19960809
19961008 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96932845 A3 19961008

EP 1005028 P 19961008 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 1005028 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
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STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
EP 1005028 P 20000531 EP A1 PUBLICATION OF APPLICATION
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ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005028 P 20000531 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000301

EP 1005028 P 20001115 EP RIN1 INVENTOR (CORRECTION)
(ERFINDER (KORR.))
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
TAKEMURA, YOSHINARI

EP 1005028 P 20001129 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20001013

EP 1005033 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005033 P JP 95261247 A 19951009
19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 1005033 P JP 968910 A 19960123
19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96915172 A3 19960515

EP 1005033 P 19960515 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)

EP 1005033 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1005033 P 20000531 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
EP 1005033 P 20000531 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005033 P 20000531 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000128

EP 1005034 P 19951009 EP AA PRIORITY (PATENT)

APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 95261247 A 19951009
 EP 1005034 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 968910 A 19960123
 EP 1005034 P 19960515 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1005034 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000101775 A 19960515

EP 1005034 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1005034 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
 EP 1005034 P 20000531 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBÜEHREN)
 AL;LT;LV;SI

EP 1005034 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VERÖFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005034 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRÜFUNGSANTRAG GESTELLT)
 20000128

EP 1005034 P 20000913 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRÜFUNGSBESCHEID)
 20000725

EP 1005034 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1005034 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFÜHRTEN BENANNTEN
 VERTRAGSSTAATEN)
 DE FR GB

EP 1005034 P 20001102 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)

EP 1005034 P 20001207 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69610860 P 20001207

EP 1005035 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 95261247 A 19951009
 EP 1005035 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 968910 A 19960123
 EP 1005035 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1005035 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000104818 A 19960515

EP 1005035 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1005035 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

EP 1005035 P 20000531 EP AX ERSTRECKUNG DES
EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUEHREN)
AL;LT;LV;SI

EP 1005035 P 20000531 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005035 P 20000531 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000306

EP 1005035 P 20000913 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20000725

EP 1005035 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1005035 P 20001102 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)
DE FR GB

EP 1005035 P 20001102 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1005035 P 20001207 EP REF CORRESPONDS TO:
(ENTSPRICHT)
DE 69610861 P 20001207

EP 1005035 P 20001213 IE FG4D/REG EUROPEAN PATENTS GRANTED
DESIGNATING IRELAND

EP 1006516 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 95261247 A 19951009

EP 1006516 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 968910 A 19960123

EP 1006516 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96915172 A3 19960515

EP 1006516 P 19960515 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)
EP 2000105014 A 19960515

EP 1006516 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1006516 P 20000607 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

EP 1006516 P 20000607 EP AX ERSTRECKUNG DES
EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
BENENNUNGSGEBUEHREN)
AL;LT;LV;SI

EP 1006516 P 20000607 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006516 P 20000607 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000309

EP 1006517 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1006517 P 19960123 EP AA JP 95261247 A 19951009
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG)))
 EP 1006517 P 19960515 EP AA JP 968910 A 19960123
 (AUSSCHEIDUNG AUS) DIVIDED OUT OF
 EP 96915172 A3 19960515
 EP 1006517 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000106447 A 19960515
 EP 1006517 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1006517 P 20000607 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
 NL PT SE
 EP 1006517 P 20000607 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBÜEHREN)
 AL;LT;LV;SI
 EP 1006517 P 20000607 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1006517 P 20000607 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000324
 EP 1024478 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1024478 P 19960123 EP AA JP 95261247 A 19951009
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG)))
 EP 1024478 P 19960809 EP AA JP 968910 A 19960123
 (PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG)))
 EP 1024478 P 19961008 EP AA JP 96211304 A 19960809
 (AUSSCHEIDUNG AUS) DIVIDED OUT OF
 EP 96932845 A3 19961008
 EP 1024478 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102970 A 19961008
 EP 1024478 P 20000802 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1024478 P 20000802 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1024478 P 20000802 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1024478 P 20000802 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1024478 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI

EP 1024478 P 20001129 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20001011

EP 1028422 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1028422 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1028422 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96915172 A3 19960515

EP 1028422 P 19960515 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000109898 A 19960515

EP 1028422 P 20000816 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1028422 P 20000816 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
EP 1028422 P 20000816 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1028422 P 20000816 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000510

EP 1028423 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1028423 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1028423 P 19960515 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96915172 A3 19960515

EP 1028423 P 19960515 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000109899 A 19960515

EP 1028423 P 20000816 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1028423 P 20000816 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
EP 1028423 P 20000816 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1028423 P 20000816 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000510

EP 1028423 P 20001227 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20001113

EP 1030297 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1030297 P 19960123 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1030297 P 19960515 JP 968910 A 19960123
 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1030297 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000110461 A 19960515

EP 1030297 P 20000823 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1030297 P 20000823 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
 NL PT SE

EP 1030297 P 20000823 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBÜEHREN)
 AL;LT;LV;SI

EP 1030297 P 20000823 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1030297 P 20000823 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000519

EP 1031974 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1031974 P 19960123 JP 95261247 A 19951009
 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1031974 P 19960515 JP 968910 A 19960123
 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1031974 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000112310 A 19960515

EP 1031974 P 20000830 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1031974 P 20000830 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

EP 1031974 P 20000830 EP A1 DE FR GB PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1031974 P 20000830 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000608

EP 1031974 P 20001227 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20001113

EP 1035693 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1035693 P 19930325 JP 92256070 A 19920925
 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035693 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1035693 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035693 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114572 A 19930924

EP 1035693 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035693 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035693 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035693 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035693 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035693 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1035694 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1035694 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1035694 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1035694 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035694 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114573 A 19930924

EP 1035694 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035694 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035694 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035694 P 20001011 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035694 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035694 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035694 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1035695 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035695 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035695 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035695 P 19930924 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035695 P 19930924 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114575 A 19930924

EP 1035695 P 20000913 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035695 P 20000913 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035695 P 20000913 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035695 P 20001011 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035695 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035695 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035695 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1035696 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1035696 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1035696 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1035696 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035696 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114577 A 19930924

EP 1035696 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035696 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035696 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035696 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035696 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035696 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1035696 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1035697 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1035697 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1035697 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1035697 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035697 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114578 A 19930924

EP 1035697 P 20000913 EP AC DIVISIONAL APPLICATION (ART.

76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P

EP 1035697 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035697 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035697 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000714

EP 1035697 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035697 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1035697 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1035698 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035698 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035698 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035698 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 93307575 A3 19930924

EP 1035698 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000114579 A 19930924

EP 1035698 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P

EP 1035698 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035698 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035698 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000714

EP 1035698 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035698 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035698 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1039672 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039672 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1039672 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 19930924 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1039672 P 19930924 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114576 A 19930924

EP 1039672 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1039672 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039672 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039672 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039672 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039672 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039672 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1039673 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039673 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1039673 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP-APLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114689 A 19930326
 DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039673 P 20000927 EP AC DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039673 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039673 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039673 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039673 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039674 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1039674 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 1039674 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039674 P 19930326 EP AE EP-APLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114690 A 19930326
 DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039674 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039674 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039674 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039674 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039674 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039675 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326
EP 1039675 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1039675 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039675 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114692 A 19930326

EP 1039675 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039675 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039675 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039675 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039675 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039675 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039676 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326
EP 1039676 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1039676 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039676 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114694 A 19930326

EP 1039676 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039676 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE

RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039676 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039676 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039676 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039676 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039677 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 9267934 A 19920326

EP 1039677 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039677 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039677 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114696 A 19930326

EP 1039677 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039677 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039677 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039677 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039677 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039677 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039678 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039678 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 92256070 A 19920925

EP 1039678 P 19930326 EP AA DIVIDED OUT OF (

AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039678 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114697 A 19930326
 EP 1039678 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039678 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039678 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039678 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039678 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039678 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039679 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1039679 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039679 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039679 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114698 A 19930326
 EP 1039679 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039679 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039679 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039679 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039679 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039679 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039680 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326
EP 1039680 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1039680 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039680 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114699 A 19930326

EP 1039680 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039680 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039680 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039680 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039680 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039680 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039681 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326
EP 1039681 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1039681 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039681 P 19930326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114701 A 19930326

EP 1039681 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039681 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

PT SE
 EP 1039681 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039681 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039681 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039681 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039681 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N
 7/24 B
 EP 1039682 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1039682 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039682 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039682 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114702 A 19930326
 EP 1039682 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039682 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039682 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039682 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039682 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039682 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1045541 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1045541 P 19920925 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1045541 P 19930326 JP 92256070 A 19920925
 DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326

EP 1045541 P 19930326 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 2000114700 A 19930326

EP 1045541 P 20001018 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P

EP 1045541 P 20001018 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1045541 P 20001018 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712

EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1049282 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049282 P 19930325 JP 92256070 A 19920925
 PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049282 P 19930510 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049282 P 19930924 JP 9366461 A 19930325
 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93307575 A3 19930924

EP 1049282 P 19930924 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 2000114574 A 19930924

EP 1049282 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P

EP 1049282 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1049282 P 20001102 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049282 P 20001102 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712

EP 1049282 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049282 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1049282 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1049283 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 9267934 A 19920326

EP 1049283 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 92256070 A 19920925

EP 1049283 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1049283 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114693 A 19930326

EP 1049283 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1049283 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049283 P 20001102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049283 P 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1049283 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049283 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1049284 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 9267934 A 19920326

EP 1049284 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 92256070 A 19920925

EP 1049284 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1049284 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 1049284 P EP 2000114695 A 19930326
 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1049284 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1049284 P 20001102 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1049284 P 20001102 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1049284 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1049284 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1049334 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 1049334 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 1049334 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 1049334 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 1049334 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 1049334 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 1049334 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 1049334 P 19920326 EP AE EP-APPLICATION ((EUROPAEISCHE ANMELDUNG)
 EP 2000114691 A 19920326
 EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 1049334 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB NL
 EP 1049334 P 20001102 EP A1 PUBLICATION OF APPLICATION

WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1049334 P 20001102 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000715

EP 1049334 P 20001220 EP K1C1 CORRECTION OF PATENT
APPLICATION (TITLE PAGE) PUBLISHED
(BERICHTIGUNG DER PATENTANMELDUNG
(TITELSEITE) ERSCHIENEN)
20001102

EP 1049334 P 20001220 EP RPR1 PRIORITY (CORRECTION)
(PRIORITAET (KORR.))
JP 19910327 6279891 ; JP 19910425 9581391 ;
JP 19910529 15565091 ; JP 19910723 18223691 ;
JP 19920317 6073992

EP 1050879 P 19930727 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19931102 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19931119 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940418 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940707 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1050879 P 19940727 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 94305557 A3 19940727

EP 1050879 P 19940727 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000115017 A 19940727

EP 1050879 P 20001108 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 637016 P

EP 1050879 P 20001108 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

EP 1050879 P 20001108 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928

RECODER/REPRODUCER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9250328 A 19920309

Applic (No,Kind,Date): JP 9250328 A 19920309

IPC: * G11B-013/04; G11B-013/00

JAPIO Reference No: ; 180014P000119

Language of Document: Japanese

Patent (No,Kind,Date): JP 5307788 A2 19931119

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 92111176 A 19920430
Applc (No,Kind,Date): JP 92111176 A 19920430
IPC: * G11B-013/04; G11B-013/00
JAPIO Reference No: ; 180121P000165
Language of Document: Japanese

Patent (No,Kind,Date): JP 5327807 A2 19931210
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1
19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP
9260739 A1 19920317
Applc (No,Kind,Date): JP 9268935 A 19920327
IPC: * H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00
; H04N-007/13; H04N-007/20
JAPIO Reference No: ; 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 6036387 A2 19940210
RECORDING/REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 92194450 A 19920722
Applc (No,Kind,Date): JP 92194450 A 19920722
IPC: * G11B-013/04; G11B-013/00
JAPIO Reference No: ; 180264P000063
Language of Document: Japanese

Patent (No,Kind,Date): JP 6164665 A2 19940610
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): JP 9368545 A 19930326
IPC: * H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00
; H04N-007/20; H04N-011/04
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144; 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 6180888 A2 19940628
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A
19920129; JP 9268031 A 19920326; JP 92280874 A 19920925
Applc (No,Kind,Date): JP 9334656 A 19930128
IPC: * G11B-013/00; G11B-013/04; G11B-011/10
Derwent WPI Acc No: * G 93-251292; G 93-313529
JAPIO Reference No: * 180522P000136; 180522P000136
Language of Document: Japanese

Patent (No,Kind,Date): JP 6231509 A2 19940819
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
; SHIMIZU RYOSUKE
Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A
19920228; JP 92282666 A 19921021; JP 92331300 A 19921211
Applc (No,Kind,Date): JP 9363428 A 19930226
IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;
G11B-023/40
Derwent WPI Acc No: * G 93-251292; G 93-313529
JAPIO Reference No: * 180618P000070; 180618P000070
Language of Document: Japanese

Patent (No,Kind,Date): JP 6231510 A2 19940819
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
; SHIMIZU RYOSUKE

Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A 19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
Applc (No,Kind,Date): JP 9392247 A 19930326
IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00; G11B-023/40

Derwent WPI Acc No: * G 93-251292; G 93-313529
JAPIO Reference No: * 180522P000136; 180618P000070; 180618P000070

Language of Document: Japanese
Patent (No,Kind,Date): JP 7093962 A2 19950407
INFORMATION RECORDING AND REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO
Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A 19921201; JP 938596 A 19930121; JP 93205682 A 19930727
Applc (No,Kind,Date): JP 93300723 A 19931201
IPC: * G11B-033/02; G11B-017/04; G11B-025/10
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722

Language of Document: Japanese
Patent (No,Kind,Date): JP 7099522 A2 19950411
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 93261611 A 19930924
IPC: * H04L-027/34; H04B-001/66; H04B-014/04
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 7235097 A2 19950905
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA
Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227
Applc (No,Kind,Date): JP 93351425 A 19931228
IPC: * G11B-013/04; G11B-005/02
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616

Language of Document: Japanese
Patent (No,Kind,Date): JP 7235098 A2 19950905
INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227
Applc (No,Kind,Date): JP 93351426 A 19931228
IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 95-341616

Language of Document: Japanese
Patent (No,Kind,Date): JP 7235099 A2 19950905
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI
Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP

93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227

Applie (No,Kind,Date): JP 9422135 A 19940121

IPC: * G11B-013/04; G11B-020/12; G11B-020/18

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616

Language of Document: Japanese

Patent (No,Kind,Date): JP 7249227 A2 19950926

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 9422191 A 19940120

Applie (No,Kind,Date): JP 94195853 A 19940727

IPC: * G11B-007/00; G11B-007/007; G11B-013/04

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451

Language of Document: Japanese

Patent (No,Kind,Date): JP 7264148 A2 19951013

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9479668 A 19940324

Applie (No,Kind,Date): JP 9479668 A 19940324

IPC: * H04H-001/00; H04N-007/01; H04N-007/24

Derwent WPI Acc No: * G 95-387959; G 95-387959

Language of Document: Japanese

Patent (No,Kind,Date): JP 7320333 A2 19951208

RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS MANUFACTURE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI

Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227

Applie (No,Kind,Date): JP 9422158 A 19940121

IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972

Language of Document: Japanese

Patent (No,Kind,Date): JP 7322219 A2 19951208

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227

Applie (No,Kind,Date): JP 9479432 A 19940325

IPC: * H04N-007/015; H04N-007/20

Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258

Language of Document: Japanese

Patent (No,Kind,Date): JP 8212560 A2 19960820

OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applie (No,Kind,Date): JP 94327805 A 19941228

IPC: * G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): JP 8212681 A2 19960820

RECORDING/REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9516865 A 19950203

Applc (No,Kind,Date): JP 9516865 A 19950203

IPC: * G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10

Derwent WPI Acc No: * G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): JP 8273164 A2 19961018

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI

Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516153 A 19950202

Applc (No,Kind,Date): JP 9592116 A 19950418

IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: Japanese

Patent (No,Kind,Date): JP 10233019 A2 19980902

OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA

Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A 19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP 96211304 A 19960809

Applc (No,Kind,Date): JP 979318 A 19970122

IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10

Derwent WPI Acc No: * G 97-236117; G 97-236119; G 98-363034

Language of Document: Japanese

Patent (No,Kind,Date): JP 11162031 A2 19990618

OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER AND OPTICAL DISK RECORDER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924

Applc (No,Kind,Date): JP 97351243 A 19971219

IPC: * G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24; G11B-013/00; G11B-020/10

Derwent WPI Acc No: * G 98-363034

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032074 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applc (No,Kind,Date): JP 99169243 A 19990616

IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032075 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169244 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032076 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169245 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032077 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169246 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032078 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169247 A 19990616
IPC: * H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032079 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP

91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169248 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000076659 A2 20000314
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257252 A 19990910
IPC: * G11B-007/007; G11B-019/04; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000076662 A2 20000314
OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257248 A 19990910
IPC: * G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04;
G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000076705 A2 20000314
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257245 A 19990910
IPC: * G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000076791 A2 20000314
OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK
REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257247 A 19990910
IPC: * G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000078222 A2 20000314
TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND
RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99200091 A 19990714
IPC: * H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38
; H04N-007/08; H04N-007/081

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106579 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99289582 A 19991012

IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106580 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99289583 A 19991012

IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106581 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99289584 A 19991012

IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106582 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99289585 A 19991012

IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: * 180152E000002

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Patent (No,Kind,Date): JP 2000106583 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP

91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289586 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 2000-108239; G
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G
2000-184729; G 2000-184730; G 2000-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000149423 A2 20000530
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373897 A 19990101
IPC: * G11B-020/10; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000156037 A2 20000606
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373901 A 19990101
IPC: * G11B-020/10; G11B-007/0045; G11B-007/24
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000173062 A2 20000623
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373902 A 19990101
IPC: * G11B-007/007; G06F-012/14; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000173179 A2 20000623
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373898 A 19990101
IPC: * G11B-020/10; G06F-012/14; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000215603 A2 20000804
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373896 A 19990101
IPC: * G11B-020/10; G11B-007/0045; G11B-019/04
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222729 A2 20000811
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257251 A 19990910
IPC: * G11B-007/004; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222739 A2 20000811
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257250 A 19990910
IPC: * G11B-007/005; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222743 A2 20000811
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99375209 A 19991228
IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;
G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222782 A2 20000811
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A

19960123
Aplic (No,Kind,Date): JP 99257246 A 19990910
IPC: * G11B-007/24; G11B-007/004; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222783 A2 20000811
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Aplic (No,Kind,Date): JP 99257249 A 19990910
IPC: * G11B-007/24; G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000228016 A2 20000815
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Aplic (No,Kind,Date): JP 99373899 A 19990101
IPC: * G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10;
G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000228062 A2 20000815
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Aplic (No,Kind,Date): JP 99373900 A 19990101
IPC: * G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000299677 A2 20001024
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925
Aplic (No,Kind,Date): JP 20002000085410 A 20000101
IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312195 A2 20001107
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925
Aplic (No,Kind,Date): JP 20002000085407 A 20000101
IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
H04N-005/78; H04N-005/7826; H04N-005/92; H04N-007/00; H04H-001/00;
H04N-007/24; H04N-007/20
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312196 A2 20001107
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925
Aplic (No,Kind,Date): JP 20002000085408 A 20000101
IPC: * H04J-011/00; H04J-003/00; H04L-027/34; H04N-005/38;
H04N-005/445; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312197 A2 20001107

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): JP 20002000085409 A 20000101

IPC: * H04J-011/00; H04B-014/04; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-007/20; H04H-001/00

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000312198 A2 20001107

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): JP 20002000095800 A 20000101

IPC: * H04J-011/00; H04L-027/34; H04N-005/40; H04N-005/44; H04N-007/00; H04N-007/20

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000315992 A2 20001114

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): JP 20002000085411 A 20000101

IPC: * H04J-011/00; H04L-001/00; H04L-027/00; H04N-005/40; H04N-005/455; H04N-007/24; H04N-007/30

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000324083 A2 20001124

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): JP 20002000095801 A 20000101

IPC: * H04J-011/00; H04L-027/36; H04L-027/38; H04N-007/08; H04N-007/081; H04N-007/20

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 3008651 B2 20000214

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317

Applie (No,Kind,Date): JP 9268935 A 19920327

IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20; H04N-007/24

Language of Document: Japanese

Patent (No,Kind,Date): JP 3042780 B2 20000522

Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applie (No,Kind,Date): JP 99257245 A 19990910

IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese
Patent (No,Kind,Date): JP 3042781 B2 20000522
Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257252 A 19990910
IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061053 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169243 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061054 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169244 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061055 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169245 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061056 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169248 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3089599 B2 20000918
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257246 A 19990910
IPC: * G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10
Language of Document: Japanese
Patent (No,Kind,Date): JP 3089600 B2 20000918
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257249 A 19990910
IPC: * G11B-007/24; G11B-007/007; G11B-020/10
Language of Document: Japanese

Patent (No,Kind,Date): JP 3089601 B2 20000918
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257250 A 19990910
IPC: * G11B-007/005; G11B-020/10
Language of Document: Japanese

Patent (No,Kind,Date): JP 3092620 B2 20000925
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169246 A 19990616
IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
Language of Document: Japanese

Patent (No,Kind,Date): JP 3092621 B2 20000925
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169247 A 19990616
IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097914 B2 20001010
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257251 A 19990910
IPC: * G11B-007/004; G11B-007/26; G11B-020/10
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097916 B2 20001010
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99375208 A 19991228
IPC: * G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097917 B2 20001010
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI; GOTO YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99375209 A 19991228
IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;
G11B-020/12
Language of Document: Japanese

Patent (No,Kind,Date): JP 3109552 B2 20001120
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): JP 9368545 A 19930326
IPC: * H04J-011/00; H04L-027/36; H04L-027/38; H04N-005/40;
H04N-007/015; H04N-007/20; H04N-011/04
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 2000-580985; G
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G
2000-589077; G 2000-589078; G 2000-595507
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): KR 161051 B1 19990115
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applic (No,Kind,Date): KR 946012 A 19940325
IPC: * H04N-007/12
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Korean
Patent (No,Kind,Date): KR 195398 B1 19990615
RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP); USIGOME HISASI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): KR 941111 A 19940121
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 217013 B1 19991001
RECORDING AND REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZU RYOOSKI (JP); KOUDO DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA MICHIRO (JP); DAN SADOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): KR 941112 A 19940121
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 237555 B1 20000201
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP 94156089 A 19940707
Applic (No,Kind,Date): KR 9418308 A 19940727
IPC: * G11B-007/00
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 9602468 B1 19960217
TRANSMITTER (English)
Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)
Author (Inventor): OOSIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): KR 934766 A 19930326
IPC: * H04L-027/36
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: Korean
Patent (No,Kind,Date): KR 9602703 B1 19960224
SIGNAL TRANSMISSION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723

Applie (No,Kind,Date): KR 924913 A 19920326

IPC: * H04N-007/12

Derwent WPI Acc No: * G 92-325674

JAPIO Reference No: * 180152E000002

Language of Document: Korean

SINGAPORE (SG)

Patent (No,Kind,Date): SG 5400982 A1 19981221

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KUDO TOSHIKAZU;
YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A

19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applie (No,Kind,Date): SG 9502048 A 19940119

IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
; G11B-023/00

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100102 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applie (No,Kind,Date): SG 9800735 A 19940119

IPC: * G11B-019/02; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100103 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applie (No,Kind,Date): SG 9800736 A 19940119

IPC: * G11B-019/02; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5473584 A 19951205

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2
19940121; US 9709 A2 19930127

Applie (No,Kind,Date): US 281337 A 19940727

National Class: * 369032000; 369047000; 369054000

IPC: * G11B-017/22

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5526328 A 19960611
RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN
DIFFERENT TRACKS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
TANAKA MICHIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US
9709 A2 19930127

Applic (No,Kind,Date): US 184117 A 19940121

National Class: * 369013000; 369032000

IPC: * G11B-011/00

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5555275 A 19960910

MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM
Multi-threshold and hierarchical television signal transmission
system (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1
19920325

Applic (No,Kind,Date): US 417269 A 19950405

National Class: * 375261000; 375298000; 375324000; 332103000;
329304000; 348724000; 348726000

IPC: * H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20

Derwent WPI Acc No: * G 92-325674; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5600672 A 19970204

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)

Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP
9479668 A 19940324; US 857627 A2 19920325

Applic (No,Kind,Date): US 240521 A 19940510

National Class: * 375219000; 375270000; 375301000; 375321000

IPC: * H04L-005/16; H04B-001/38

Derwent WPI Acc No: * G 92-325674; G 94-103292; G 94-311606; G
94-342258; G 95-387959; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5682360 A 19971028

RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM
HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A

19920925

Applic (No,Kind,Date): US 9709 A 19930127

National Class: * 369013000; 360059000; 360114000

IPC: * G11B-011/00; G11B-005/127

Derwent WPI Acc No: * G 93-251292; G 93-313529

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;

180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5699331 A 19971216

APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL

INFORMATION OF A SECRET CODE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3
19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 534771 A 19950927

Addnl Info: 5473584 Patented; 5526328 Patented

National Class: * 369032000; 369047000; 369054000

IPC: * G11B-017/22

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5761301 A 19980602

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL
DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): US 560015 A 19951117

National Class: * 380004000; 369272000; 235494000

IPC: * H04K-001/00

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119

Language of Document: English

Patent (No,Kind,Date): US 5802241 A 19980901

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A
19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108
A2 19930325

Applic (No,Kind,Date): US 706376 A 19960830

National Class: * 386046000; 348723000

IPC: * H04N-005/91; H04N-005/38

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 5805551 A 19980908

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A

19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3 19950418; US 281337 A2 19940727

Applc (No,Kind,Date): US 845794 A 19970425

Addnl Info: 5473584 19951205 Patented

National Class: * 369059000; 369047000; 369048000; 369058000; 360048000

IPC: * G11B-007/00

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: English

Patent (No,Kind,Date): US 5807640 A 19980915

OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202; WO 94JP2304 W 19941228

Applc (No,Kind,Date): US 507495 A 19950828

National Class: * 428064100; 428064200; 428064400; 428913000; 369275100; 369284000

IPC: * B32B-003/00

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939

Language of Document: English

Patent (No,Kind,Date): US 5819000 A 19981006

MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925

Applc (No,Kind,Date): US 37108 A 19930325

National Class: * 386046000; 348723000

IPC: * H04N-005/91; H04N-005/38

Derwent WPI Acc No: * G 93-305235; G 94-103292

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 5881038 A 19990309

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2 19940727

Applc (No,Kind,Date): US 423668 A 19950418

National Class: * 369059000; 369084000; 369058000; 369054000; 369047000

IPC: * G11B-007/00

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: English

Patent (No,Kind,Date): US 5892879 A 19990406

COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510; US 37108 A2 19930325

Applc (No,Kind,Date): US 126589 A 19930927

National Class: * 386046000; 348726000

IPC: * H04N-005/91; H04N-005/38

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: English
Patent (No,Kind,Date): US 5959948 A 19990928
RECORDING AND REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A
19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
A2 19940121; US 9709 A2 19930127
Applc (No,Kind,Date): US 970162 A 19971113
Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented
National Class: * 369032000; 369047000; 369054000
IPC: * G11B-017/22
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G
95-373939; G 96-062972; G 98-181451
JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070
Language of Document: English
Patent (No,Kind,Date): US 5999569 A 19991207
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A
19920326; JP 92256070 A 19920925; US 37108 A3 19930325
Applc (No,Kind,Date): US 61979 A 19980417
Addnl Info: 5819000 Patented
National Class: * 375265000; 348608000; 348607000; 348726000
IPC: * H04L-027/28; H04L-005/12; H04L-023/02
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): US 6049651 A 20000411
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US
126589 A3 19930927; US 37108 A1 19930325
Applc (No,Kind,Date): US 64147 A 19980422
Addnl Info: 5892879 Patented; 5819000 Patented
National Class: * 386046000; 386123000; 348726000
IPC: * H04N-005/91; H04N-007/015; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): US 6052465 A 20000418
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): US 649411 A 19960516
National Class: * 380004000
IPC: * H04L-009/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English

Patent (No,Kind,Date): US 6081785 A 20000627
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION
SYSTEM AND PROGRAM LICENSE SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008

Applc (No,Kind,Date): US 849468 A 19970609

National Class: * 705001000; 380201000; 369272000

IPC: * H04K-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6122373 A 20000919
OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A3 19960516

Applc (No,Kind,Date): US 404506 A 19990923

National Class: * 380004000

IPC: * H04L-009/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6125181 A 20000926
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A3 19960516

Applc (No,Kind,Date): US 404639 A 19990923

National Class: * 380002000

IPC: * H04K-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6128388 A 20001003
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A3 19960516

Applc (No,Kind,Date): US 401114 A 19990922

National Class: * 380059000

IPC: * H04L-009/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6141419 A 20001031
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A
 19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No,Kind,Date): US 441338 A 19991116
 National Class: * 380004000
 IPC: * H04L-009/00
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English
 Patent (No,Kind,Date): US 6144742 A 20001107
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
 MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3
 19960516
 Applic (No,Kind,Date): US 401669 A 19990922
 Addnl Info: 6052465 Patented
 National Class: * 380004000
 IPC: * H04L-009/00
 Language of Document: English
 Patent (No,Kind,Date): US 6160888 A 20001212
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
 MANUFACTURING AN OPTICAL DISK (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
 Priority (No,Kind,Date): US 441337 A 19991116; JP 95261247 A
 19951009; JP 968910 A 19960123; US 649411 A1 19960516
 Applic (No,Kind,Date): US 441337 A 19991116
 National Class: * 380203000; 380201000; 713193000; 705051000;
 705057000
 IPC: * H04N-007/167
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
 US 95507495 A 19950828 US REFW CORRESPONDS TO PCT
 APPLICATION (ENTSPRICH PCT ANMELDUNG)
 WO 9518443 P
 US 97849468 A 19970609 US REFW CORRESPONDS TO PCT
 APPLICATION (ENTSPRICH PCT ANMELDUNG)
 WO 9714144 P
 US 5473584 P 19920129 US AA PRIORITY (PATENT)
 JP 9213809 A 19920129
 US 5473584 P 19920228 US AA PRIORITY (PATENT)
 JP 9242558 A 19920228
 US 5473584 P 19920309 US AA PRIORITY (PATENT)
 JP 9250328 A 19920309
 US 5473584 P 19920326 US AA PRIORITY (PATENT)
 JP 9268031 A 19920326
 US 5473584 P 19920430 US AA PRIORITY (PATENT)
 JP 92111176 A 19920430
 US 5473584 P 19920722 US AA PRIORITY (PATENT)
 JP 92194450 A 19920722
 US 5473584 P 19920925 US AA PRIORITY (PATENT)
 JP 92280874 A 19920925
 US 5473584 P 19930121 US AA PRIORITY (PATENT)
 JP 938596 A 19930121
 US 5473584 P 19930127 US AA PRIORITY
 US 9709 A2 19930127
 US 5473584 P 19930325 US AA PRIORITY (PATENT)
 JP 9392219 A 19930325

US 5473584	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 5473584	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 5473584	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 5473584	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 5473584	P	19940121	US AA	PRIORITY
		US 184117	A2	19940121
US 5473584	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5473584	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5473584	P	19940727	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 281337	A	19940727
US 5473584	P	19941207	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC IDNUSTRIAL CO., LTD.		
		1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19940906		
US 5473584	P	19951205	US A	PATENT
US 5526328	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5526328	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5526328	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 5526328	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326
US 5526328	P	19920430	US AA	PRIORITY (PATENT)
		JP 92111176	A	19920430
US 5526328	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 5526328	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
US 5526328	P	19930121	US AA	PRIORITY (PATENT)
		JP 938596	A	19930121
US 5526328	P	19930127	US AA	PRIORITY
		US 9709	A2	19930127
US 5526328	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 5526328	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 5526328	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 5526328	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 5526328	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 5526328	P	19940121	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 184117	A	19940121
US 5526328	P	19940822	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE		
		: 19940317; KOUDO, TOSHIKAZU : 19940317;		
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;		
US 5526328	P	19950516	US AS28	CORRECTED ASSIGNMENT
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ;		
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE		
		: 19940317; KOUDO, TOSHIKAZU : 19940317;		
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;		

US 5526328	P	19960611	US A	PATENT
US 5555275	P	19910327	US AA	PRIORITY (PATENT)
		JP 9162798	A	19910327
US 5555275	P	19910425	US AA	PRIORITY (PATENT)
		JP 9195813	A	19910425
US 5555275	P	19910529	US AA	PRIORITY (PATENT)
		JP 91155650	A	19910529
US 5555275	P	19910723	US AA	PRIORITY (PATENT)
		JP 91182236	A	19910723
US 5555275	P	19920317	US AA	PRIORITY (PATENT)
		JP 9260739	A	19920317
US 5555275	P	19920325	US AA	PRIORITY
		US 857627	B1	19920325
US 5555275	P	19950405	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 417269	A	19950405
US 5555275	P	19960910	US A	PATENT
US 5600672	P	19910327	US AA	PRIORITY (PATENT)
		JP 9162798	A	19910327
US 5600672	P	19910425	US AA	PRIORITY (PATENT)
		JP 9195813	A	19910425
US 5600672	P	19910529	US AA	PRIORITY (PATENT)
		JP 91155650	A	19910529
US 5600672	P	19910723	US AA	PRIORITY (PATENT)
		JP 91182236	A	19910723
US 5600672	P	19920317	US AA	PRIORITY (PATENT)
		JP 9260739	A	19920317
US 5600672	P	19920325	US AA	PRIORITY
		US 857627	A2	19920325
US 5600672	P	19930510	US AA	PRIORITY (PATENT)
		JP 93132984	A	19930510
US 5600672	P	19930924	US AA	PRIORITY (PATENT)
		JP 93261612	A	19930924
US 5600672	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5600672	P	19940324	US AA	PRIORITY (PATENT)
		JP 9479668	A	19940324
US 5600672	P	19940510	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 240521	A	19940510
US 5600672	P	19961010	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, KADOMA OSAKA, JAPAN 571 ; OSHIMA,		
		MITSUAKI : 19960910; SAKASHITA, SEIJI :		
		19960910		
US 5600672	P	19970204	US A	PATENT
US 5600672	P	19990420	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		19990204		
US 5600672	P	20001114	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20000915		
US 5600672	P	20001128	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001012		
US 5600672	P	20001226	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001005		
US 5600672	P	20010102	US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)		
		20001012		
US 5682360	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5682360	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5682360	P	19920309	US AA	PRIORITY (PATENT)

US 5682360	P	JP 9250328	A	19920309	
		19920326	US AA	PRIORITY (PATENT)	
		JP 9268031	A	19920326	
US 5682360	P	19920430	US AA	PRIORITY (PATENT)	
		JP 92111176	A	19920430	
US 5682360	P	19920722	US AA	PRIORITY (PATENT)	
		JP 92194450	A	19920722	
US 5682360	P	19920925	US AA	PRIORITY (PATENT)	
		JP 92280874	A	19920925	
US 5682360	P	19930127	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 9709	A	19930127	
US 5682360	P	19930302	US AS02	ASSIGNMENT OF ASSIGNOR'S	
		INTEREST			
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.			
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA			
		OSHIMA, MITSUAKI : 19930122			
US 5682360	P	19971028	US A	PATENT	
US 5699331	P	19920129	US AA	PRIORITY (PATENT)	
		JP 9213809	A	19920129	
US 5699331	P	19920228	US AA	PRIORITY (PATENT)	
		JP 9242558	A	19920228	
US 5699331	P	19920309	US AA	PRIORITY (PATENT)	
		JP 9250328	A	19920309	
US 5699331	P	19920326	US AA	PRIORITY (PATENT)	
		JP 9268031	A	19920326	
US 5699331	P	19920430	US AA	PRIORITY (PATENT)	
		JP 92111176	A	19920430	
US 5699331	P	19920722	US AA	PRIORITY (PATENT)	
		JP 92194450	A	19920722	
US 5699331	P	19920925	US AA	PRIORITY (PATENT)	
		JP 92280874	A	19920925	
US 5699331	P	19930121	US AA	PRIORITY (PATENT)	
		JP 938596	A	19930121	
US 5699331	P	19930127	US AA	PRIORITY	
		US 9709	A2	19930127	
US 5699331	P	19930325	US AA	PRIORITY (PATENT)	
		JP 9392219	A	19930325	
US 5699331	P	19930409	US AA	PRIORITY (PATENT)	
		JP 93107423	A	19930409	
US 5699331	P	19930727	US AA	PRIORITY (PATENT)	
		JP 93205682	A	19930727	
US 5699331	P	19931102	US AA	PRIORITY (PATENT)	
		JP 93297504	A	19931102	
US 5699331	P	19931119	US AA	PRIORITY (PATENT)	
		JP 93314114	A	19931119	
US 5699331	P	19940121	US AA	PRIORITY	
		US 184117	A2	19940121	
US 5699331	P	19940418	US AA	PRIORITY (PATENT)	
		JP 94104879	A	19940418	
US 5699331	P	19940707	US AA	PRIORITY (PATENT)	
		JP 94156089	A	19940707	
US 5699331	P	19940727	US AA	PRIORITY	
		US 281337	A3	19940727	
US 5699331	P	19950927	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 534771	A	19950927	
US 5699331	P	19971216	US A	PATENT	
US 5761301	P	19941117	US AA	PRIORITY (PATENT)	
		JP 94283415	A	19941117	
US 5761301	P	19950202	US AA	PRIORITY (PATENT)	
		JP 9516153	A	19950202	
US 5761301	P	19951009	US AA	PRIORITY (PATENT)	
		JP 95261247	A	19951009	
US 5761301	P	19951117	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 560015	A	19951117	

US 5761301	P	19960410	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JAP ; OSHIMA, MITSUAKI : 19960220; GOTOH, YOSHIHO : 19960220
US 5761301	P	19980602	US A	PATENT
US 5761301	P	20000801	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 20000602
US 5802241	P	19920326	US AA	PRIORITY (PATENT) JP 9267934 A 19920326
US 5802241	P	19920925	US AA	PRIORITY (PATENT) JP 92256070 A 19920925
US 5802241	P	19930325	US AA	PRIORITY (PATENT) JP 9366461 A 19930325
US 5802241	P	19930325	US AA	PRIORITY US 37108 A2 19930325
US 5802241	P	19930510	US AA	PRIORITY (PATENT) JP 93132984 A 19930510
US 5802241	P	19930924	US AA	PRIORITY (PATENT) JP 93261612 A 19930924
US 5802241	P	19930927	US AA	PRIORITY US 126589 A2 19930927
US 5802241	P	19931227	US AA	PRIORITY (PATENT) JP 93349972 A 19931227
US 5802241	P	19940325	US AA	PRIORITY US 217895 B1 19940325
US 5802241	P	19960830	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 706376 A 19960830
US 5802241	P	19980901	US A	PATENT
US 5802241	P	20001226	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 20001030
US 5802241	P	20010102	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 20000831
US 5805551	P	19940418	US AA	PRIORITY (PATENT) JP 94104879 A 19940418
US 5805551	P	19940727	US AA	PRIORITY US 281337 A2 19940727
US 5805551	P	19941117	US AA	PRIORITY (PATENT) JP 94283415 A 19941117
US 5805551	P	19941228	US AA	PRIORITY (PATENT) JP 94327963 A 19941228
US 5805551	P	19950201	US AA	PRIORITY (PATENT) JP 9515318 A 19950201
US 5805551	P	19950203	US AA	PRIORITY (PATENT) JP 9516865 A 19950203
US 5805551	P	19950418	US AA	PRIORITY US 423668 A3 19950418
US 5805551	P	19970425	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 845794 A 19970425
US 5805551	P	19980908	US A	PATENT
US 5807640	P	19931228	US AA	PRIORITY (PATENT) JP 93335165 A 19931228
US 5807640	P	19940120	US AA	PRIORITY (PATENT) JP 9422191 A 19940120
US 5807640	P	19940418	US AA	PRIORITY (PATENT) JP 94104879 A 19940418
US 5807640	P	19940707	US AA	PRIORITY (PATENT) JP 94156089 A 19940707
US 5807640	P	19941202	US AA	PRIORITY (PATENT) JP 94299508 A 19941202
US 5807640	P	19941228	US AA	PCT-APPLICATION (PCT-APPL.)

		WO 94JP2304 W 19941228
US 5807640	P	19950828 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 507495 A 19950828
US 5807640	P	19950828 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006 OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO, FUMIAKI : 19950801; OSHIMA, MITSUAKI : 19950801
US 5807640	P	19980915 US A PATENT
US 5819000	P	19920326 US AA PRIORITY (PATENT) JP 9267934 A 19920326
US 5819000	P	19920925 US AA PRIORITY (PATENT) JP 92256070 A 19920925
US 5819000	P	19930325 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 37108 A 19930325
US 5819000	P	19930608 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; OSHIMA, MITSUAKI : 19930413
US 5819000	P	19981006 US A PATENT
US 5819000	P	19990914 US CC CERTIFICATE OF CORRECTION
US 5881038	P	19940418 US AA PRIORITY (PATENT) JP 94104879 A 19940418
US 5881038	P	19940727 US AA PRIORITY US 281337 A2 19940727
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US 5881038	P	19950201 US AA PRIORITY (PATENT) JP 9515318 A 19950201
US 5881038	P	19950203 US AA PRIORITY (PATENT) JP 9516865 A 19950203
US 5881038	P	19950418 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 423668 A 19950418
US 5881038	P	19951004 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006 OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA, MITSUAKI : 19950412; GOTOH, YOSHIHO : 19950412
US 5881038	P	19990309 US A PATENT
US 5881038	P	20000125 US CC CERTIFICATE OF CORRECTION
US 5892879	P	19920326 US AA PRIORITY (PATENT) JP 9267934 A 19920326
US 5892879	P	19920925 US AA PRIORITY (PATENT) JP 92256070 A 19920925
US 5892879	P	19930325 US AA PRIORITY (PATENT) JP 9366461 A 19930325
US 5892879	P	19930325 US AA PRIORITY US 37108 A2 19930325
US 5892879	P	19930510 US AA PRIORITY (PATENT) JP 93132984 A 19930510
US 5892879	P	19930927 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 126589 A 19930927
US 5892879	P	19940106 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; OSHIMA, MITSUAKI : 19931013

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US 5959948	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5959948	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5959948	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 5959948	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326
US 5959948	P	19920430	US AA	PRIORITY (PATENT)
		JP 92111176	A	19920430
US 5959948	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 5959948	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
US 5959948	P	19930121	US AA	PRIORITY (PATENT)
		JP 938596	A	19930121
US 5959948	P	19930127	US AA	PRIORITY
		US 9709	A2	19930127
US 5959948	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 5959948	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 5959948	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 5959948	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 5959948	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 5959948	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5959948	P	19940121	US AA	PRIORITY
		US 184117	A2	19940121
US 5959948	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5959948	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5959948	P	19940727	US AA	PRIORITY
		US 281337	A3	19940727
US 5959948	P	19950927	US AA	PRIORITY
		US 534771	A1	19950927
US 5959948	P	19971113	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 970162	A	19971113
US 5959948	P	19990928	US A	PATENT
US 5959948	P	20001114	US CC	CERTIFICATE OF CORRECTION
US 5999569	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5999569	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5999569	P	19930325	US AA	PRIORITY
		US 37108	A3	19930325
US 5999569	P	19980417	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 61979	A	19980417
US 5999569	P	19991207	US A	PATENT
US 6049651	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 6049651	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 6049651	P	19930325	US AA	PRIORITY (PATENT)
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US 6049651	P	19930325	US AA	PRIORITY
		US 37108	A1	19930325
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		US 126589	A3	19930927
US 6049651	P	19980422	US AE	APPLICATION DATA (PATENT)

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US 6052465 P 19960516 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

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US 6081785 P 19960809 US AA PRIORITY (PATENT)

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WO 96JP2924 W 19961008

US 6081785 P 19970609 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

US 849468 A 19970609

US 6081785 P 20000627 US A PATENT

US 6122373 P 19951009 US AA PRIORITY (PATENT)

JP 95261247 A 19951009

US 6122373 P 19960123 US AA PRIORITY (PATENT)

JP 968910 A 19960123

US 6122373 P 19960516 US AA PRIORITY

US 649411 A3 19960516

US 6122373 P 19990923 US AE APPLICATION DATA (PATENT)

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US 404506 A 19990923

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US 6125181 P 19951009 US AA PRIORITY (PATENT)

JP 95261247 A 19951009

US 6125181 P 19960123 US AA PRIORITY (PATENT)

JP 968910 A 19960123

US 6125181 P 19960516 US AA PRIORITY

US 649411 A3 19960516

US 6125181 P 19990923 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

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US 6125181 P 20000926 US A PATENT

US 6128388 P 19951009 US AA PRIORITY (PATENT)

JP 95261247 A 19951009

US 6128388 P 19960123 US AA PRIORITY (PATENT)

JP 968910 A 19960123

US 6128388 P 19960516 US AA PRIORITY

US 649411 A3 19960516

US 6128388 P 19990922 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

US 401114 A 19990922

US 6128388 P 20001003 US A PATENT

US 6141419 P 19951009 US AA PRIORITY (PATENT)

JP 95261247 A 19951009

US 6141419 P 19960123 US AA PRIORITY (PATENT)

JP 968910 A 19960123

US 6141419 P 19960516 US AA PRIORITY

US 649411 A1 19960516

US 6141419 P 19991116 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

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US 6141419 P 20001031 US A PATENT

US 6144742 P 19960516 US AA PRIORITY

US 649411 A3 19960516

US 6144742 P 19990922 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))
 US 401669 A 19990922

US 6144742	P	20001107	US A	PATENT
US 6160888	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6160888	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6160888	P	19960516	US AA	PRIORITY
		US 649411	A1	19960516
US 6160888	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 441337	A	19991116
US 6160888	P	20001212	US A	PATENT

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9518443 A1 19950706

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
 REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
 DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
 (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): WO 94JP2304 A 19941228

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 95-246541

Language of Document: Japanese

Patent (No,Kind,Date): WO 9528704 A1 19951026

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
 INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO

Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203

Applic (No,Kind,Date): WO 95JP760 A 19950418

Designated States: (National) CN; KR (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 120000 With international search report; With
 amended claims and statement

IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
 ; G11B-007/09

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): WO 9616401 A1 19960530

MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
 OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
 PRODUCING METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): WO 95JP2339 A 19951116

Designated States: (National) CN; JP; KR; MX (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G

97-236119; G 96-268785

Language of Document: Japanese

Patent (No,Kind,Date): WO 9714144 A1 19970417

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applc (No,Kind,Date): WO 96JP2924 A 19961008

Designated States: (National) CN; JP; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G 97-236117

Language of Document: Japanese

Patent (No,Kind,Date): WO 9714146 A1 19970417

OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSUROU

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applc (No,Kind,Date): WO 96JP1303 A 19960515

Designated States: (National) CN; JP; KR; MX; SG; VN (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): WO 9827553 A1 19980625

OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applc (No,Kind,Date): WO 97JP4664 A 19971217

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 120000 With international search report; With amended claims and statement

IPC: * G11B-011/10; G11B-007/00; G06F-012/14

Derwent WPI Acc No: * G 98-363034; G 98-363034

Language of Document: Japanese

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 9518443 P 19931228 WO AA

PRIORITY (PATENT)

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		JP 9940120 WO AA	PRIORITY (PATENT)
		JP 9422191 A	19940120
WO 9518443	P	JP 9422191 WO AA	PRIORITY (PATENT)
		JP 94104879 A	19940418
WO 9518443	P	JP 94104879 WO AA	PRIORITY (PATENT)
		JP 94156089 A	19940707
WO 9518443	P	JP 94156089 WO AA	PRIORITY (PATENT)
		JP 94299508 A	19941202
WO 9518443	P	JP 94299508 WO AE	APPLICATION DATA (APPL.
		DATA)	
		WO 94JP2304 A	19941228
WO 9518443	P	19950706 WO AK	DESIGNATED STATES CITED IN A
		PUBLISHED APPLICATION WITH SEARCH REPORT	
		(DESIGNATED STATES CITED IN A PUBLISHED APPL.	
		WITH SEARCH REPORT)	
		CN KR US	
WO 9518443	P	19950706 WO AL	DESIGNATED COUNTRIES FOR
		REGIONAL PATENTS CITED IN A PUBLISHED	
		APPLICATION WITH SEARCH REPORT (DESIGNATED	
		COUNTRIES FOR REGIONAL PATENTS CITED IN A	
		PUBLISHED APPL. WITH SEARCH REPORT)	
		AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT	
		SE	
WO 9518443	P	19950706 WO A1	PUBLICATION OF THE
		INTERNATIONAL APPLICATION WITH THE	
		INTERNATIONAL SEARCH REPORT (PUB. OF THE	
		INTERNATIONAL APPL. WITH THE INTERNATIONAL	
		SEARCH REPORT)	
WO 9518443	P	19950828 WO ENP	ENTRY INTO THE NATIONAL
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